

TRADEMARK ASSIGNMENT COVER SHEET

Electronic Version v1.1
Stylesheet Version v1.2

ETAS ID: TM533436

SUBMISSION TYPE:	NEW ASSIGNMENT		
NATURE OF CONVEYANCE:	SECURITY INTEREST		
CONVEYING PARTY DATA			
Name	Formerly	Execution Date	Entity Type
DIRTT Environmental Solutions Ltd.		07/19/2019	Corporation: CANADA
RECEIVING PARTY DATA			
Name:	Royal Bank of Canada		
Street Address:	335 - 8th Avenue SW		
City:	Calgary		
State/Country:	CANADA		
Postal Code:	T2P 1C9		
Entity Type:	Corporation: CANADA		
PROPERTY NUMBERS Total: 33			
Property Type	Number	Word Mark	
Serial Number:	88442150	GLC	
Serial Number:	88442068	GREEN LEARNING CENTER	
Serial Number:	87667058	LEAF WALL	
Serial Number:	87667056	LEAF FOLDING WALL	
Serial Number:	87428795	REVIEW BOARD	
Registration Number:	5538193	ICESHEET	
Registration Number:	5499136	ICEREALITY	
Serial Number:	87328863	LEAF	
Registration Number:	5209945	ICESCAPES	
Registration Number:	5365393	ICEVR	
Registration Number:	5464819	I-HEDRON	
Registration Number:	5519847	DIRTT BUILD BETTER	
Registration Number:	5454099	DIRTT BUILD BETTER	
Registration Number:	5423626	ENZO	
Registration Number:	5252041	DIRTT FOR LIFE	
Registration Number:	5233144	CONNEXT	
Registration Number:	4561218	I-CUBE	
Registration Number:	4191817	ICECYCLE	
Registration Number:	4192040	BREATHE	
TRADEMARK			

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Property Type	Number	Word Mark
Registration Number:	4440313	DOING IT RIGHT THIS TIME
Registration Number:	4444421	DIRTT
Registration Number:	3131038	ICECAD
Registration Number:	3410386	ICEBERG
Registration Number:	3176427	DIRTT
Registration Number:	3088598	ICE
Registration Number:	3717608	ICERENDER
Registration Number:	3650151	ICEVISION
Registration Number:	3425921	ICE EDGE
Serial Number:	88460357	DIRTT REFLECT
Serial Number:	88460345	REFLECT
Serial Number:	88458706	DIRTT INSPIRE
Serial Number:	88458699	INSPIRE
Registration Number:	4752377	I-LINE

CORRESPONDENCE DATA

Fax Number: 3038931379

Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.

Phone: 3038927353

Email: pantea.garroussi@dgslaw.com

Correspondent Name: Pantea Garroussi

Address Line 1: 1550 17th Street, Suite 500

Address Line 4: Denver, COLORADO 80202

NAME OF SUBMITTER:	Pantea Garroussi
SIGNATURE:	/pantea garroussi/
DATE SIGNED:	07/24/2019

Total Attachments: 60

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INTELLECTUAL PROPERTY SECURITY AGREEMENT

This INTELLECTUAL PROPERTY SECURITY AGREEMENT (as may be amended, amended and restated, supplemented or otherwise modified from time to time, the **IP Security Agreement**) dated July 19, 2019 is made by DIRTT Environmental Solutions Ltd., a company formed under the laws of the Province of Alberta (together with its successors and assigns, the "**Grantor**") in favour of Royal Bank of Canada, as lender (together with its successors and assigns, the "**Lender**")

WHEREAS, the Grantor, inter alios, and the Lender have entered into that certain credit agreement dated as of the date hereof (as may be amended, supplemented and otherwise modified from time to time, the "**Credit Agreement**"); terms defined in the Credit Agreement and not otherwise defined herein are used herein as defined in the Credit Agreement;

WHEREAS, as a condition to the Lender making loans to the Grantor pursuant to the Credit Agreement, the Grantor has executed and delivered that certain Debenture in favour of the Lender dated on or about the date hereof (as may be amended, amended and restated, supplemented or otherwise modified from time to time, the "**Debenture**");

WHEREAS, under the terms of the Debenture, the Grantor has granted to the Lender, a security interest in, among other property, certain intellectual property of the Grantor, and has agreed to execute this IP Security Agreement for recording with the Canadian Intellectual Property Office and such other governmental authorities in Canada and the United States;

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, the Grantor agrees as follows:

SECTION 1. Grant of Security. The Grantor hereby grants to the Lender a security interest in all of the Grantor's right, title and interest in and to the following (collectively, the "**Collateral**");

(A) all patents and patent applications currently owned or acquired in the future, including the patents and patent applications set forth in Schedule A hereto (the "**Patents**");

(B) all common law and registered trademarks, and service marks currently owned or acquired in the future, including the trademark and service mark registrations and applications set forth in Schedule B hereto, together with the goodwill symbolized thereby (collectively, the "**Trademarks**");

(C) all copyrights, whether registered or unregistered, now owned or hereafter acquired by the Grantor, including, without limitation, the copyright registrations and applications and exclusive copyright licenses set forth in Schedule C hereto (collectively, the "**Copyrights**");

(D) all reissues, divisions, continuations, continuations-in-part, extensions, renewals and reexaminations of any of the foregoing, all rights in the foregoing provided by international treaties or conventions, all rights corresponding thereto throughout the world and all other rights of any kind whatsoever of the Grantor accruing thereunder or pertaining thereto;

(E) any and all claims for damages and injunctive relief for past, present and future infringement, dilution, misappropriation, violation, misuse or breach with respect to any of the foregoing, with the right, but not the obligation, to sue for and collect, or otherwise recover, such damages; and

(F) any and all proceeds of, collateral for, income, royalties and other payments now or hereafter due and payable with respect to, and supporting obligations relating to, any and all of the Collateral of or arising from any of the foregoing.

Despite any other provision of this IP Security Agreement, the security interest granted hereunder with respect to Trademarks constitutes a security interest in, and charge, hypothecation and pledge of such Collateral but does not constitute an assignment of such Collateral to the Lender and, notwithstanding the generality of the foregoing, the Collateral shall not include any intent-to-use trademark application prior to the filing of a "Statement of Use" or "Amendment to Allege Use" with respect thereto, to the extent, if any, that, and solely during the period, if any, in which the grant of a security interest therein would impair the validity or enforceability of such intent-to-use trademark application under Applicable Law.f

SECTION 2. Security for Obligations. The grant of a security interest in the Collateral by the Grantor under this IP Security Agreement secures the payment of all Obligations of the Grantor now or hereafter existing under or in respect of the Loan Documents, whether direct or indirect, absolute or contingent, and whether for principal, reimbursement obligations, interest, premiums, penalties, fees, indemnifications, contract causes of action, costs, expenses or otherwise.

SECTION 3. Recordation. The Grantor requests that the Canadian Intellectual Property Office, the United States Patent and Trademark Office, and any other applicable government office in Canada or the United States record this IP Security Agreement. The Grantor authorizes the Lender to unilaterally update Schedules A, B, and/or C, as applicable, if the Lender becomes aware of additions to the Collateral identified in such Schedules. The Grantor further authorizes the Lender to record this IP Security Agreement against all Collateral, including those identified in future updates to the Schedules, in Canada and the United States.

SECTION 4. Grants, Rights and Remedies. This IP Security Agreement has been entered into in conjunction with the provisions of the Debenture. The Grantor does hereby acknowledge and confirm that the grant of the security interest hereunder to, and the rights and remedies of, the Lender with respect to the Collateral are more fully set forth in the Debenture, the terms and provisions of which are incorporated herein by reference as if fully set forth herein.

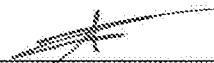
SECTION 5. Governing Law. This IP Security Agreement shall be governed by, and construed in accordance with, the laws of the Province of Alberta and the federal laws of Canada applicable therein.

IN WITNESS WHEREOF, the Grantor has caused this IP Security Agreement to be duly executed and delivered by its officer thereunto duly authorized as of the date first above written.

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GRANTOR:

DIRTT ENVIRONMENTAL SOLUTIONS LTD.

Per: 
Name: Geoff Krause
Title: Chief Financial Officer

SCHEDULE A

PATENTS

The following patents are owned by DIRTT ENVIRONMENTAL SOLUTIONS LTD. as of July 19, 2019 and include all registered patents and patent applications. This Schedule may be updated by the Lender at any time during the term of the IP Security Agreement:

Title	Jurisdiction	Applicant/Owner	Application Number	Patent Number	Filing Date (Y/M/D)	Grant Date (Y/M/D)	Status
Mixed-Reality Architectural Design Environment	CA	DIRTT Environmental Solutions, Ltd.	2997021	N/A	PCT Filing Date: 2017-06-09	N/A	Pending
*** Identified as material ***							
Glass Substrates With Touchscreen Technology	CA	DIRTT Environmental Solutions, Ltd.	2997014	N/A	PCT Filing Date: 2017-06-01	N/A	Pending
Wall System With Electronic Device Mounting Assembly	CA	DIRTT Environmental Solutions, Ltd.	2992856	N/A	PCT Filing Date: 2017-06-08	N/A	Pending

Title	Jurisdiction	Applicant/Owner	Application Number	Patent Number	Filing Date (Y/M/D)	Grant Date (Y/M/D)	Status
Slidable Furniture With In-Wall Mounting System	CA	DIRTT Environmental Solutions, Ltd.	2940479	N/A	PCT Filing Date: 2016-05-31	N/A	Pending
Straight And Curved Reconfigurable Partition Systems	CA	DIRTT Environmental Solutions, Ltd.	2951047	N/A	PCT Filing Date: 2015-06-05	N/A	Pending
Modular Furniture System With Wire Management	CA	DIRTT Environmental Solutions, Ltd.	2978349	N/A	PCT Filing Date: 2016-06-15	N/A	Pending
Slidable Snap-In Trim System	CA	DIRTT Environmental Solutions, Ltd.	2932539	N/A	2016-06-08	N/A	Pending
Modular Walls With Embedded Furniture And Opposing Feature	CA	DIRTT Environmental Solutions, Ltd.	2932533	N/A	2016-06-08	N/A	Pending

Title	Jurisdiction	Applicant/Owner	Application Number	Patent Number	Filing Date (Y/M/D)	Grant Date (Y/M/D)	Status
Embedded Furniture Having Retractable Legs With Lighting	CA	DIRTT Environmental Solutions, Ltd.	2932531	N/A	2016-06-08	N/A	Pending
Modular Walls Incorporating Recessed, Extendable Furniture	CA	DIRTT Environmental Solutions, Ltd.	2800414	2800414	PCT Filing Date: 2012-06-13	2016-08-16	Granted
*** Identified as material ***							
Modular Wall Nesting System	CA	DIRTT Environmental Solutions, Ltd.	2796997	2796997	PCT Filing Date: 2012-06-11	2016-05-10	Granted
Perforated Acoustic Tiles	CA	DIRTT Environmental Solutions, Ltd.	2893499	2893499	2015-06-01	2019-05-14	Granted

Title	Jurisdiction	Applicant/Owner	Application Number	Patent Number	Filing Date (Y/M/D)	Grant Date (Y/M/D)	Status
Panel And Wall Module Connection Apparatus, Methods, And Systems	CA	DIRTT Environmental Solutions, Ltd.	2884244	N/A	PCT Filing Date: 2014-06-03	N/A	Pending
Modular Multiple-Circuit Electrical System	CA	DIRTT Environmental Solutions Ltd.	2550249	2550249	2006-06-12	2010-01-26	Granted
Wall-Mounted Devices, Systems, And Methods For Selectively Positioning Objects	CA	DIRTT Environmental Solutions Ltd.	2840843	N/A	PCT Filing Date: 2013-06-10	N/A	Pending
*** Identified as material ***							
Trim Connection Systems And Methods	CA	DIRTT Environmental Solutions, Ltd.	2852175	N/A	PCT Filing Date: 2013-06-07	N/A	Pending

Title	Jurisdiction	Applicant/Owner	Application Number	Patent Number	Filing Date (Y/M/D)	Grant Date (Y/M/D)	Status
Modular Building Construction Systems And Methods	CA	DIRTT Environmental Solutions, Ltd.	2839163	N/A	PCT Filing Date: 2013-06-06	N/A	Pending
Angled Wall Connection Devices, Systems, And Methods	CA	DIRTT Environmental Solutions, Ltd.	2838196	N/A	PCT Filing Date: 2013-06-10	N/A	Pending
Non-Handed Configurable Sliding Doors	CA	DIRTT Environmental Solutions, Ltd.	2591176	2591176	2007-06-08	2013-12-24	Granted
A System For Providing Both Partial Height And Full Height Wall Modules	CA	DIRTT Environmental Solutions, Ltd.	2591075	2591075	2007-06-08	2014-01-14	Granted
Lock And Seal System For Sliding Doors	CA	DIRTT Environmental Solutions, Ltd.	2591057	2591057	2007-06-08	2014-03-25	Granted

Title	Jurisdiction	Applicant/Owner	Application Number	Patent Number	Filing Date (Y/M/D)	Grant Date (Y/M/D)	Status
A System For Providing Both Partial Height And Full Height Wall Modules	CA	DIRTT Environmental Solutions, Ltd.	2634774	2634774	2008-06-06	2016-02-16	Granted
Lock And Seal System For Sliding Doors	CA	DIRTT Environmental Solutions, Ltd.	2634410	2634410	2008-06-06	2013-08-06	Granted
Configurable Sliding Doors With Reversible Hand Configurations	CA	DIRTT Environmental Solutions, Ltd.	2634407	2634407	2008-06-06	2013-08-06	Granted
Centralized Electrical Distribution System	CA	DIRTT Environmental Solutions, Ltd.	2682789	2682789	PCT Filing Date: 2009-06-05	2013-11-19	Granted
Real-Time Depth Or Field Effects With Design Software	CA	DIRTT Environmental Solutions, Ltd.	2838197	N/A	PCT Filing Date: 2013-01-25	N/A	Pending

Title	Jurisdiction	Applicant/Owner	Application Number	Patent Number	Filing Date (Y/M/D)	Grant Date (Y/M/D)	Status
Visual Distortion Effects Through Translucent Structures In Design Software	CA	DIRTT Environmental Solutions, Ltd.	2817402	N/A	PCT Filing Date: 2013-01-31	N/A	Pending
Service Cable Box	CA	DIRTT Environmental Solutions, Ltd.	2840745	N/A	PCT Filing Date: 2012-11-19	N/A	Pending
Low-Voltage Smart Glass	CA	DIRTT Environmental Solutions, Ltd.	3030282	N/A	PCT Filing Date: 2017-07-10	N/A	Pending
Wall Seal	CA	DIRTT Environmental Solutions, Ltd.	3033392	N/A	PCT Filing Date: 2018-05-30	N/A	Pending
Automated Re-Use Of Structural Components	CA	DIRTT Environmental Solutions, Ltd.	2796664	2796664	PCT Filing Date: 2012-05-18	2019-02-12	Granted
Cable Consolidation Boxes And Systems	CA	DIRTT Environmental Solutions, Ltd.	2793421	N/A	PCT Filing Date: 2012-05-17	N/A	Pending

Title	Jurisdiction	Applicant/Owner	Application Number	Patent Number	Filing Date (Y/M/D)	Grant Date (Y/M/D)	Status
Automatically Resolving Boundaries Within An Architectural Design Environment	CA	DIRTT Environmental Solutions, Ltd.	2908924	N/A	PCT Filing Date: 2014-03-24	N/A	Pending
Modular In-Wall Functional Conduits	CA	DIRTT Environmental Solutions, Ltd.	2817255	N/A	PCT Filing Date: 2013-02-28	N/A	Pending
Movable Walls For On-Site Construction	CA	DIRTT Environmental Solutions, Ltd.	2586901	2586901	2007-05-01	2014-11-18	Granted
Method For Installing Tiles In A Wall System	CA	DIRTT Environmental Solutions, Ltd.	2991130	N/A	PCT Filing Date: 2016-05-10	N/A	Pending
Tamper Evident Wall Cladding System	CA	DIRTT Environmental Solutions, Ltd.	2817279	2817279	PCT Filing Date: 2013-04-10	2019-03-26	Granted

Title	Jurisdiction	Applicant/Owner	Application Number	Patent Number	Filing Date (Y/M/D)	Grant Date (Y/M/D)	Status
Secure Raised Access Floor Service Box And System	CA	DIRTT Environmental Solutions, Ltd.	2837297	2837297	PCT Filing Date: 2012-04-12	2017-09-12	Granted
Automatically Incorporating Third Party Features Into A Computer Design Schematic	CA	DIRTT Environmental Solutions, Ltd.	2895313	2895313	PCT Filing Date: 2013-07-16	2019-03-05	Granted
Efficient Lighting Effects In Design Software	CA	DIRTT Environmental Solutions, Ltd.	2817507	N/A	PCT Filing Date: 2012-12-10	N/A	Pending
Cam Style Locks And Systems And Methods Including The Same	CA	DIRTT Environmental Solutions, Ltd.	2879585	2879585	2012-07-05	2017-08-15	Granted

Title	Jurisdiction	Applicant/Owner	Application Number	Patent Number	Filing Date (Y/M/D)	Grant Date (Y/M/D)	Status
Cam Style Locks And Systems And Methods Including The Same	CA	DIRTT Environmental Solutions, Ltd.	2796522	2796522	PCT Filing Date: 2012-07-05	2015-06-30	Granted
Pocket Door	CA	DIRTT Environmental Solutions, Ltd.	2978092	N/A	PCT Filing Date: 2016-03-11	N/A	Pending
Glass Panel Reconfigurable Wall Panels	CA	DIRTT Environmental Solutions, Ltd.	2978206	N/A	PCT Filing Date: 2016-03-16	N/A	Pending
*** Identified as material ***							
Selectively Adjustable Architectural Wall	CA	DIRTT Environmental Solutions, Ltd.	2880301	N/A	PCT Filing Date: 2013-11-13	N/A	Pending

Title	Jurisdiction	Applicant/Owner	Application Number	Patent Number	Filing Date (Y/M/D)	Grant Date (Y/M/D)	Status
Method And System For Efficient Modeling Of Specular Reflection	CA	DIRTT Environmental Solutions, Ltd.	2817497	N/A	PCT Filing Date: 2013-01-31	N/A	Pending
Wall-Mounted Devices, Systems, And Methods For Selectively Positioning Objects	CA	DIRTT Environmental Solutions, Ltd.	2887948	N/A	PCT Filing Date: 2014-08-11	N/A	Pending
Modular Wraparound Wall	CA	DIRTT Environmental Solutions, Ltd.	2884904	N/A	PCT Filing Date: 2014-11-10	N/A	Pending
Modular Walls With Seismic-Shiftrability	CA	DIRTT Environmental Solutions, Ltd.	2863757	N/A	PCT Filing Date: 2013-10-04	N/A	Pending
Modular Walls With Incorporated Planters	CA	DIRTT Environmental Solutions Ltd.	2780360	2780360	PCT Filing Date: 2012-03-23	2014-08-26	Granted

Title	Jurisdiction	Applicant/Owner	Application Number	Patent Number	Filing Date (Y/M/D)	Grant Date (Y/M/D)	Status
Position Retention Mechanism For Modular Wall Assembly	CA	DIRTT Environmental Solutions, Ltd.	2777577	2777577	2007-09-18	2015-08-11	Granted
Tangential Non-Dimensional Interface Module	CA	DIRTT Environmental Solutions, Ltd.	2695300	2695300	2010-03-04	2018-09-25	Granted
Method For Wrapping A Non-Porous Substrate Object With A Wood Veneer	CA	DIRTT Environmental Solutions Ltd.	2533721	2533721	2006-01-24	2014-09-23	Granted
Pass Through Shelf Wall Assembly	CA	DIRTT Environmental Solutions, Ltd.	2900602	2900602	PCT Filing Date: 2014-08-27	2018-10-02	Granted
Center-Mounted Acoustical Substrates	CA	DIRTT Environmental Solutions, Ltd.	2863783	N/A	PCT Filing Date: 2013-10-04	N/A	Pending

Title	Jurisdiction	Applicant/Owner	Application Number	Patent Number	Filing Date (Y/M/D)	Grant Date (Y/M/D)	Status
Divider Wall Connection Systems And Methods	CA	DIRTT Environmental Solutions, Ltd.	2863778	N/A	PCT Filing Date: 2013-10-04	N/A	Pending
Position Retention Mechanism For Modular Wall Assembly	CA	DIRTT Environmental Solutions, Ltd.	2602897	2602897	2007-09-18	2012-07-10	Granted
Custom Connection System For Modular Walls	CA	DIRTT Environmental Solutions, Ltd.	2602669	2602669	2007-09-17	2012-03-13	Granted
Variable Connectors For Angling Modular Wall Systems	CA	DIRTT Environmental Solutions, Ltd.	2602603	2602603	2007-09-17	2015-06-02	Granted
Integrated Sliding Door/Panel System	CA	DIRTT Environmental Solutions Ltd.	2535213	2535213	2006-02-01	2014-04-29	Granted

Title	Jurisdiction	Applicant/Owner	Application Number	Patent Number	Filing Date (Y/M/D)	Grant Date (Y/M/D)	Status
Integrated Reconfigurable Wall System	CA	DIRTT Environmental Solutions Ltd.	2516083	2516083	2005-08-16	2013-03-12	Granted
*** Identified as material ***							
Interface For Mounting Interchangeable Components	CA	DIRTT Environmental Solutions, Ltd.	2938885	N/A	PCT Filing Date: 2015-02-13	N/A	Pending
Virtual Reality Immersion With An Architectural Design Software Application	CA	DIRTT Environmental Solutions, Ltd.	2964514	N/A	PCT Filing Date: 2015-10-14	N/A	Pending
*** Identified as material ***							
Modular Raised Floor System	CA	DIRTT Environmental Solutions, Ltd.	2954499	N/A	2017-01-13	N/A	Pending

Title	Jurisdiction	Applicant/Owner	Application Number	Patent Number	Filing Date (Y/M/D)	Grant Date (Y/M/D)	Status
Method Of Configuring Walls *** Identified as material ***	CA	DIRTT Environmental Solutions, Ltd.	2938880	N/A	PCT Filing Date: 2015-02-13	N/A	Pending
Method Of Configuring Walls	CA	DIRTT Environmental Solutions, Ltd.	2932170	N/A	PCT Filing Date: 2015-02-13	N/A	Pending
Primary And Intermediate Horizontal Leveler	CA	DIRTT Environmental Solutions, Ltd.	2888544	N/A	PCT Filing Date: 2014-08-13	N/A	Pending
Capturing A User's Intent In Design Software *** Identified as material ***	CA	DIRTT Environmental Solutions Ltd. (assignment from Ice Edge Business Solutions Ltd. to DIRTT Environmental Solutions Ltd. filed, awaiting confirmation of receipt)	2577199	2,577,199	2007-02-15	2015-12-22	Registered

Title	Jurisdiction	Applicant/Owner	Application Number	Patent Number	Filing Date (Y/M/D)	Grant Date (Y/M/D)	Status
Capturing a User's Design Intent with Resolvable Objects	CA	DIRTT Environmental Solutions Ltd. (assignment from Ice Edge Business Solutions Ltd. to DIRTT Environmental Solutions Ltd. filed, awaiting confirmation of receipt)	2577202	2,577,202	2007-02-15	2011-07-08	Registered
*** Identified as material ***							
Design Software Incorporating Efficient 3-D Rendering	CA	DIRTT Environmental Solutions Ltd. (assignment from Ice Edge Business Solutions Ltd. to DIRTT Environmental Solutions Ltd. filed, awaiting confirmation of receipt)	2577205	2,577,205	2007-02-15	2012-10-23	Registered
*** Identified as material ***							
Integrating Object-Oriented Design Software with Record-Based CAD	CA	DIRTT Environmental Solutions Ltd. (assignment from Ice Edge Business	2642553	2,642,553	2008-08-15	2016-04-19	Registered

Title	Jurisdiction	Applicant/Owner	Application Number	Patent Number	Filing Date (Y/M/D)	Grant Date (Y/M/D)	Status
Software *** Identified as material ***		Solutions Ltd. to DIRTT Environmental Solutions Ltd. filed, awaiting confirmation of receipt)					
Creation and Modification of Valid Functional Design Layouts *** Identified as material ***	CA	DIRTT Environmental Solutions Ltd. (assignment from Ice Edge Business Solutions Ltd. to DIRTT Environmental Solutions Ltd. filed, awaiting confirmation of receipt)	2665427	2,665,427	2009-04-16	2016-01-26	Registered
Rendering and Modifying CAD Design Entities in Object-Oriented Applications	CA	DIRTT Environmental Solutions Ltd. (assignment from Ice Edge Business Solutions Ltd. to DIRTT Environmental Solutions Ltd. filed, awaiting confirmation of	2665637	2,665,637	2009-04-16	2016-05-17	Registered

Title	Jurisdiction	Applicant/Owner	Application Number	Patent Number	Filing Date (Y/M/D)	Grant Date (Y/M/D)	Status
Rendering and Modifying CAD Design Entities in Object-Oriented Applications	CA	DIRTT Environmental Solutions Ltd. (assignment from Ice Edge Business Solutions Ltd. to DIRTT Environmental Solutions Ltd. filed, awaiting confirmation of receipt)	2923333	2,923,333	2016-05-08	2018-12-18	Registered
Automatically Creating and Modifying Furniture Layouts in Design Software	CA	DIRTT Environmental Solutions Ltd. (assignment from Ice Edge Business Solutions Ltd. to DIRTT Environmental Solutions Ltd. filed, awaiting confirmation of receipt)	2665379	2,665,379	2009-04-16	2015-05-12	Registered
Securely Sharing Design Renderings Over	CA	DIRTT Environmental Solutions Ltd.	2781638		2012-05-23	N/A	Pending

Title	Jurisdiction	Applicant/Owner	Application Number	Patent Number	Filing Date (Y/M/D)	Grant Date (Y/M/D)	Status
a Network		(assignment from Ice Edge Business Solutions to DIRTT Environmental Solutions Ltd. filed, awaiting confirmation of receipt)					
Associating Computer-Executable Objects With Three-Dimensional Spaces Within An Architectural Design Environment	CA	DIRTT Environmental Solutions Ltd. (assignment from Ice Edge Business Solutions Ltd. to DIRTT Environmental Solutions Ltd. filed, awaiting confirmation of receipt)	2883079		2015-02-25	N/A	Pending
Secure Cable System	CA	DIRTT Environmental Solutions Ltd. (assignment from Agile Data Technology Inc. to DIRTT Environmental Solutions Ltd. filed,	2588040	2588040	2005-11-11	2013-01-08	Granted

Title	Jurisdiction	Applicant/Owner	Application Number	Patent Number	Filing Date (Y/M/D)	Grant Date (Y/M/D)	Status
Floor-Mount Service Container And Lid	CA	DIRTT Environmental Solutions Ltd. (assignment from Spider Manufacturing Inc. to DIRTT Environmental Solutions Ltd. filed, awaiting confirmation of receipt)	2639718	2639718	2008-09-23	2016-02-02	Granted
Telecommunication And Electrical Service Box For Mounting In A Floor	CA	DIRTT Environmental Solutions Ltd. (assignment from Spider Manufacturing Inc. to DIRTT Environmental Solutions Ltd. filed, awaiting confirmation of receipt)	2375554	2375554	2002-03-25	2003-08-09	Granted

Title	Jurisdiction	Applicant/Owner	Application Number	Patent Number	Filing Date (Y/M/D)	Grant Date (Y/M/D)	Status
Associating Computer-Executable Objects with Timber Frames Within an Architectural Design Environment	CA	DIRTT Environmental Solutions, Ltd. (assignment from Ice Edge to DIRTT Environmental Solutions Ltd. filed, awaiting confirmation receipt)	2,921,871		2015-01-01		Pending
Mixed-Reality and CAD Architectural Design Environment	CA	DIRTT Environmental Solutions, Ltd. (CIPO Assignment Registration 05746676 to DIRTT Environmental Solutions, Ltd.)	3,000,008		2018-03-01		Pending
Angled Wall Connector Bracket	CA	DIRTT Environmental Solutions, Ltd. (CIPO Assignment Registration 05744345 to	2,996,509		2017-06-09		Pending

Title	Jurisdiction	Applicant/Owner	Application Number	Patent Number	Filing Date (Y/M/D)	Grant Date (Y/M/D)	Status
		DIRTT Environmental Solutions, Ltd.)					
Reconfigurable Wall System	US	DIRTT Environmental Solutions, Ltd.	15/023,990	10,301,821	2015-02-13	2019-05-28	Granted
*** Identified as material ***							
Pocket Door	US	DIRTT Environmental Solutions, Ltd.	15/038,781	10,273,743	2016-03-11	2019-04-30	Granted
Modular Raised Floor System	US	DIRTT Environmental Solutions, Ltd.	15/366,709	10,196,825	2016-12-01	2019-02-05	Granted
Integrated Reconfigurable Wall System	US	DIRTT Environmental Solutions, Ltd.	14/305,819	RE47,132	2014-06-16	2018-11-20 (date of re-issued patent)	Granted
*** Identified as material ***							

Title	Jurisdiction	Applicant/Owner	Application Number	Patent Number	Filing Date (Y/M/D)	Grant Date (Y/M/D)	Status
Modular Walls With Embedded Furniture And Opposing Feature	US	DIRTT Environmental Solutions, Ltd.	15/177,084	10,058,170	2016-06-08	2018-08-28	Granted
Modular Wrap Around Wall	US	DIRTT Environmental Solutions, Ltd.	14/426,970	10,030,384	2014-11-10	2018-07-24	Granted
Integrated Reconfigurable Wall System	US	DIRTT Environmental Solutions, Ltd.	14/681,874	RE46929	2015-04-08	2018-07-03 (date of re-issued patent)	Granted
*** Identified as material ***							
Slidable Snap-In Trim System	US	DIRTT Environmental Solutions, Ltd.	15/177,077	9,945,131	2016-06-08	2018-04-17	Granted
Embedded Furniture Having Retractable Legs	US	DIRTT Environmental Solutions, Ltd.	15/177,095	9,943,165	2016-06-08	2018-04-17	Granted

Title	Jurisdiction	Applicant/Owner	Application Number	Patent Number	Filing Date (Y/M/D)	Grant Date (Y/M/D)	Status
With Lighting							
Straight And Curved Reconfigurable Partition Systems	US	DIRTT Environmental Solutions, Ltd.	15/028,000	9,856,644	2015-06-05	2018-01-02	Granted
Method Of Configuring Walls	US	DIRTT Environmental Solutions, Ltd.	14/903,035	9,840,841	2015-02-13	2017-12-12	Granted
Selectively Adjustable Architectural Wall	US	DIRTT Environmental Solutions, Ltd.	14/376,821	9,803,360	2013-11-13	2017-10-31	Granted
Trim Connection Systems And Methods	US	DIRTT Environmental Solutions, Ltd.	14/112,029	9,803,352	2013-06-07	2017-10-31	Granted
Modular In-Wall Functional Conduits	US	DIRTT Environmental Solutions, Ltd.	14/003,287	9,719,251	2013-02-28	2017-08-01	Granted
Modular Building Construction	US	DIRTT Environmental	14/009,728	9,670,669	2013-06-06	2017-06-06	Granted

Title	Jurisdiction	Applicant/Owner	Application Number	Patent Number	Filing Date (Y/M/D)	Grant Date (Y/M/D)	Status
System		Solutions, Ltd.					
Perforated Acoustic Tiles	US	DIRTT Environmental Solutions, Ltd.	14/722,642	9,649,831	2015-05-27	2017-05-16	Granted
Method And System For Efficient Modeling Of Specular Reflection	US	DIRTT Environmental Solutions, Ltd.	14/110,910	9,619,920	2013-01-31	2017-04-11	Granted
Primary And Intermediate Horizontal Leveler	US	DIRTT Environmental Solutions, Ltd.	14/432,999	9,617,743	2014-08-13	2017-04-11	Granted
Wall-Mounted Devices, Systems, And Methods For Selectively Positioning Objects	US	DIRTT Environmental Solutions, Ltd.	14/113,560	9,593,481	2013-06-10	2017-03-14	Granted
*** Identified as							

Title	Jurisdiction	Applicant/Owner	Application Number	Patent Number	Filing Date (Y/M/D)	Grant Date (Y/M/D)	Status
material ***							
Modular Walls With Seismic-Shiftability	US	DIRTT Environmental Solutions, Ltd.	14/114,501	9,546,483	2013-10-04	2017-01-17	Granted
Software Incorporating Efficient 3-D Rendering	US	DIRTT Environmental Solutions, Ltd.	14/032,946	9,536,340	2013-09-20	2017-01-03	Granted
Angled Wall Connection Devices, And Systems, And Methods	US	DIRTT Environmental Solutions, Ltd.	14/119,845	9,528,287	2013-06-10	2016-12-27	Granted
Efficient Lighting Effects In Design Software	US	DIRTT Environmental Solutions, Ltd.	14/348,879	9,471,719	2012-12-10	2016-10-18	Granted
X-Link Connector	US	DIRTT Environmental Solutions, Ltd.	29/481,987	D760,402	2014-02-12	2016-06-28	Granted
Real-Time Depth Or Field Effects	US	DIRTT Environmental	14/113,260	9,355,197	2013-01-25	2016-05-31	Granted

Title	Jurisdiction	Applicant/Owner	Application Number	Patent Number	Filing Date (Y/M/D)	Grant Date (Y/M/D)	Status
Within Design Software		Solutions, Ltd.					
Modular Wall Nesting System	US	DIRTT Environmental Solutions, Ltd.	14/657,837	9,347,218	2015-03-13	2016-05-24	Granted
Flex Bracket With Knuckle	US	DIRTT Environmental Solutions Ltd	29/473,239	D755,614	2013-11-20	2016-05-10	Granted
Modular Wall Incorporating Recessed, Extendable Furniture	US	DIRTT Environmental Solutions, Ltd.	29/493,280	D754,991	2014-06-06	2016-05-03	Granted
*** Identified as material ***							
Cam Style Locks And Systems And Methods Including The Same	US	DIRTT Environmental Solutions, Ltd	13/579,265	9,328,542	2012-07-05	2016-05-03	Granted

Title	Jurisdiction	Applicant/Owner	Application Number	Patent Number	Filing Date (Y/M/D)	Grant Date (Y/M/D)	Status
Divider Wall Connection Systems And Methods	US	DIRTT Environmental Solutions, Ltd.	14/114,019	9,328,504	2013-10-04	2016-05-03	Granted
Modular Wall Nesting System	US	DIRTT Environmental Solutions, Ltd.	29/492,776	D753,943	2014-06-03	2016-04-19	Granted
Tamper Evident Wall Cladding System	US	DIRTT Environmental Solutions, Ltd.	14/000,662	9,315,997	2013-04-10	2016-04-19	Granted
Center-Mounted Acoustical Substrates	US	DIRTT Environmental Solutions, Ltd.	14/113,252	9,315,985	2013-10-04	2016-04-19	Granted
Modular Walls With Incorporated Planters	US	DIRTT Environmental Solutions, Ltd	13/515,944	9,307,701	2012-03-23	2016-04-12	Granted
Service Cable Box	US	DIRTT Environmental Solutions, Ltd.	14/125,264	9,270,098	2012-11-19	2016-02-23	Granted

Title	Jurisdiction	Applicant/Owner	Application Number	Patent Number	Filing Date (Y/M/D)	Grant Date (Y/M/D)	Status
Adjoining Interface Members For Architectural Divider Assembly	US	DIRTT Environmental Solutions, Ltd.	29/482,000	D745,706	2014-02-14	2015-12-15	Granted
Trim Connection Systems And Methods	US	DIRTT Environmental Solutions, Ltd.	14/249,260	9,206,612	2014-04-09	2015-12-08	Granted
Tangential Non-Dimensional Interface Module	US	DIRTT Environmental Solutions, Ltd.	12/980,163	9,194,121	2010-12-28	2015-11-24	Granted
Method For Wrapping A Non-Porous Substrate Object With A Wood Veneer	US	DIRTT Environmental Solutions Ltd.	11/338,897	9,095,990	2006-01-25	2015-08-04	Granted
Wall With Incorporated Planters	US	DIRTT Environmental Solutions Ltd	29/476,441	D734,958	2013-12-13	2015-07-28	Granted
Adjoining Interface Members	US	DIRTT Environmental	29/482,695	D734,872	2014-02-20	2015-07-21	Granted

Title	Jurisdiction	Applicant/Owner	Application Number	Patent Number	Filing Date (Y/M/D)	Grant Date (Y/M/D)	Status
Forming A Receiving Channel		Solutions, Ltd.					
Modular Walls Incorporating Recessed, Extendable Furniture	US	DIRTT Environmental Solutions, Ltd.	13/582,978	9,084,489	2012-06-13	2015-07-21	Granted
*** Identified as material ***							
Building Structure	US	DIRTT Environmental Solutions, Ltd.	29/457,414	D732,190	2013-06-10	2015-06-16	Granted
Cable Consolidation Boxes And Systems	US	DIRTT Environmental Solutions, Ltd.	13/579,269	9,059,576	2012-05-17	2015-06-16	Granted

Title	Jurisdiction	Applicant/Owner	Application Number	Patent Number	Filing Date (Y/M/D)	Grant Date (Y/M/D)	Status
Floor-Mount Service Container And Lid	US	DIRTT Environmental Solutions Ltd.	12/232,702	8,944,266	2008-09-23	2015-02-03	Granted
Method Of Reversing Hand Configurations Of Sliding Doors	US	DIRTT Environmental Solutions Ltd.	14/146,622	8,904,712	2014-01-02	2014-12-09	Granted
Secure Passive Optical Network Enclosure	US	DIRTT Environmental Solutions, Ltd.	29/420,561	D709,043	2012-05-10	2014-07-15	Granted
Rendering And Modifying CAD Design Entities In Object-Oriented Applications	US	DIRTT Environmental Solutions, Ltd.	12/444,893	8,762,941	2009-02-13	2014-06-24	Granted
Position Retention Mechanism For Modular Wall Assembly	US	DIRTT Environmental Solutions, Ltd.	12/762,959	8,756,893	2010-04-19	2014-06-24	Granted

Title	Jurisdiction	Applicant/Owner	Application Number	Patent Number	Filing Date (Y/M/D)	Grant Date (Y/M/D)	Status
Method For Selecting Power From Two Or More Circuits	US	DIRTT Environmental Solutions Ltd.	13/921,591	8,747,135	2013-06-19	2014-06-10	Granted
Floor-Mount Service Container And Lid	US	DIRTT Environmental Solutions, Ltd.	29/418,305	D697,872	2012-04-13	2014-01-21	Granted
Sliding Doors With Reversible Configurations	US	DIRTT Environmental Solutions, Ltd.	13/250,706	8,621,784	2011-09-30	2014-01-07	Granted
Electrical Panel Manager	US	DIRTT Environmental Solutions, Ltd.	29/430,113	D695,690	2012-08-21	2013-12-17	Granted
Secure Raised Access Floor Service Box And System	US	DIRTT Environmental Solutions, Ltd.	13/114,762	8,519,276	2011-05-24	2013-08-27	Granted
Automatically Creating And Modifying Furniture	US	DIRTT Environmental Solutions LTD	12/444,886	8,510,672	2009-03-11	2013-08-13	Granted

Title	Jurisdiction	Applicant/Owner	Application Number	Patent Number	Filing Date (Y/M/D)	Grant Date (Y/M/D)	Status
Layouts In Design Software							
Centralized Electrical Distribution System	US	DIRTT Environmental Solutions	13/453,774	8,500,480	2012-04-23	2013-08-06	Granted
Modular Multiple-Circuit Electrical System	US	DIRTT Environmental Solutions Ltd.	13/441,379	8,475,188	2012-04-06	2013-07-02	Granted
Sliding Door Apparatus Having A Damping Mechanism	US	DIRTT environmental solutions Ltd.	11/344,600	8,215,061	2006-02-01	2012-07-10	Granted
Cable Consolidation Box	US	DIRTT Environmental Solutions, Ltd.	29/384,895	D659,648	2011-02-04	2012-05-15	Granted
Secure Wall Cable Box	US	DIRTT Environmental Solutions, Ltd.	29/384,886	D659,647	2011-02-04	2012-05-15	Granted

Title	Jurisdiction	Applicant/Owner	Application Number	Patent Number	Filing Date (Y/M/D)	Grant Date (Y/M/D)	Status
Methods Of Constructing Movable Walls	US	DIRTT Environmental Solutions, Ltd.	12/763,948	8,176,707	2010-04-20	2012-05-15	Granted
Centralized Electrical Distribution System	US	DIRTT Environmental Solutions, Ltd.	12/594,343	8,162,686	2009-06-05	2012-04-24	Granted
Modular Multiple-Circuit Electrical System	US	DIRTT Environmental Solutions, Ltd.	12/213,134	8,152,546	2008-06-16	2012-04-10	Granted
Lock And Seal System For Sliding Doors	US	DIRTT Environmental Solutions Ltd.	12/135,027	8,112,954	2008-06-06	2012-02-14	Granted
Configurable Sliding Doors With Reversible Hand Configurations	US	DIRTT Environmental Solutions Ltd.	12/135,019	8,056,286	2008-06-06	2011-11-15	Granted
Integrated Reconfigurable Wall System	US	DIRTT Environmental Solutions Ltd.	11/205,314	8,024,901	2005-08-17	2011-09-27	Granted

Title	Jurisdiction	Applicant/Owner	Application Number	Patent Number	Filing Date (Y/M/D)	Grant Date (Y/M/D)	Status
*** Identified as material ***							
Position Retention Mechanism For Modular Wall Assembly	US	DIRTT Environmental Solutions, Ltd.	12/500,304	7,984,598	2009-07-09	2011-07-26	Granted
Variable Connectors For Angling Modular Wall Systems	US	DIRTT Environmental Solutions, Ltd.	11/854,524	7,958,679	2007-09-12	2011-06-14	Granted
Custom Connection System For Modular Walls	US	DIRTT Environmental Solutions, Ltd.	11/855,363	7,954,288	2007-09-14	2011-06-07	Granted
Tangential Non-Dimensional Interface Module	US	DIRTT Environmental Solutions, Ltd.	29/378,538	D635,277	2010-11-05	2011-03-29	Granted

Title	Jurisdiction	Applicant/Owner	Application Number	Patent Number	Filing Date (Y/M/D)	Grant Date (Y/M/D)	Status
Integrating Object-Oriented Design Software With Record-Based CAD Software	US	DIRTT Environmental Solutions, Ltd.	11/577,302	7,908,296	2007-02-16	2011-03-15	Granted
*** Identified as material ***							
Disc-Shaped Interface Member For Architectural Divider Assemblies	US	DIRTT Environmental Solutions, Ltd.	29/363,794	D628,717	2010-06-14	2010-12-07	Granted
Rectangular-Shaped Interface Member For Architectural Divider Assemblies	US	DIRTT Environmental Solutions, Ltd.	29/363,792	D628,716	2010-06-14	2010-12-07	Granted
Box-Shaped Interface Member For Architectural Divider	US	DIRTT Environmental Solutions, Ltd.	29/363,790	D628,715	2010-06-14	2010-12-07	Granted

Title	Jurisdiction	Applicant/Owner	Application Number	Patent Number	Filing Date (Y/M/D)	Grant Date (Y/M/D)	Status
Assemblies							
Vertical Interface Member For Architectural Divider Assemblies	US	DIRTT Environmental Solutions, Ltd.	29/363,788	D628,714	2010-06-14	2010-12-07	Granted
Modular Multiple-Circuit Electrical System	US	DIRTT Environmental Solutions Ltd.	11/450,439	7,387,520	2006-06-12	2008-06-17	Granted
Capturing A User's Design Intent With Resolvable Objects	US	DIRTT Environmental Solutions Ltd.	11/204,420	7,277,830	2005-08-16	2007-10-02	Granted
*** Identified as material ***							
Design Software Incorporating Efficient 3-D Rendering	US	DIRTT Environmental Solutions Ltd.	11/204,419	7,249,005	2005-08-16	2007-07-24	Granted
*** Identified as							

Title	Jurisdiction	Applicant/Owner	Application Number	Patent Number	Filing Date (Y/M/D)	Grant Date (Y/M/D)	Status
material ***							
Angled Wall Connector Bracket	US	DIRTT Environmental Solutions Ltd.	15/741,375	N/A	2017-06-08	N/A	Pending
Mixed-Reality Architectural Design Environment	US	DIRTT Environmental Solutions, Ltd.	15/741,488	N/A	2017-06-09	N/A	Pending
*** Identified as material ***							
Mixed-Reality And Cad Architectural Design Environment	US	DIRTT Environmental Solutions, Ltd.	15/741,487	N/A	2017-06-09	N/A	Pending
Slidable Furniture With In-Wall Mounting System	US	DIRTT Environmental Solutions, Ltd.	15/108,626	N/A	2016-05-31	N/A	Pending
Method For Installing Tiles In	US	DIRTT Environmental	15/735,084	N/A	2016-05-10	N/A	Pending

Title	Jurisdiction	Applicant/Owner	Application Number	Patent Number	Filing Date (Y/M/D)	Grant Date (Y/M/D)	Status
A Wall System		Solutions, Ltd.					
Interface For Mounting Interchangeable Components	US	DIRTT Environmental Solutions, Ltd.	15/026,566	N/A	2015-02-13	N/A	Pending
Millwork Leveler	US	DIRTT Environmental Solutions, Ltd.	15/741,177	N/A	2017-02-28	N/A	Pending
Associating Computer-Executable Objects With Timber Frames Within An Architectural Design Environment	US	DIRTT Environmental Solutions, Ltd.	14/915,990	N/A	2015-01-13	N/A	Pending
Associating Computer-Executable Objects With Three-Dimensional Spaces Within An Architectural Design	US	DIRTT Environmental Solutions, Ltd.	14/115,299	9,958,858	2013-05-31	2018-05-01	Granted

Title	Jurisdiction	Applicant/Owner	Application Number	Patent Number	Filing Date (Y/M/D)	Grant Date (Y/M/D)	Status
Environment							
Modular Walls Incorporating Recessed, Extendable Furniture	US	DIRTT Environmental Solutions, Ltd.	14/683,684	N/A	2015-04-10	N/A	Pending
Automated Re-Use Of Structural Components	US	Assignee: DIRTT Environmental Solutions, Ltd.	13/579,261	9,189,571	2012-05-18	2015-11-17	Granted
Modular Wall Nesting System	US	DIRTT Environmental Solutions, Ltd.	13/579,257	N/A	2012-06-11	N/A	Pending
System For Providing Both Partial-Height And Full-Height Wall Modules	US	Assignee: DIRTT Environmental Solutions Ltd.	12/135,028	8,151,527	2008-06-06	N/A	Granted
Position Retention	US	Assignee:	11/855,477	7,832,154	2007-09-14	2010-11-16	Granted

Title	Jurisdiction	Applicant/Owner	Application Number	Patent Number	Filing Date (Y/M/D)	Grant Date (Y/M/D)	Status
Mechanism For Modular Wall Assembly		DIRTT Environmental Solutions, Ltd.					

Title	Jurisdiction	Applicant/Owner	Application Number	Patent Number	Filing Date (Y/M/D)	Grant Date (Y/M/D)	Status
Secure Cable System	US	Assignee: DIRTT Environmental Solutions, Ltd.	10/989,986	7,163,410	2004-11-16	2007-01-16	Granted
Secure Cable System	US	Assignee: DIRTT Environmental Solutions, Ltd.	11/561,785 11/561,788	7,410,373	2006-11-20	2008-08-12	Granted
Secure Cable Distribution Box	US	Assignee: DIRTT Environmental Solutions, Ltd.	29/375,177	D638,367	2010-09-17	2011-05-24	Granted
Movable Walls For On-Site Construction	US	Assignee: DIRTT Environmental Solutions, Ltd.	11/742,591	8,015,766	2007-05-01	2011-09-13	Granted

Title	Jurisdiction	Applicant/Owner	Application Number	Patent Number	Filing Date (Y/M/D)	Grant Date (Y/M/D)	Status
Capturing A User's Intent In Design Software	US	DIRTT Environmental Solutions Ltd.	11/204,421	8,751,950	2005-08-16	2014-06-10	Granted
*** Identified As Material ***							
Creation and Modification of Valid Functional Design Layouts (software)	US	DIRTT Environmental Solutions Ltd.	12/444,890	8,762,877	2009-04-09	2014-06-24	Granted
*** Identified as material ***							
Automatically Creating and Modifying Furniture Layouts in Design Software	US	DIRTT Environmental Solutions Ltd.	13/839,033	9,519,407	2013-03-15	2016-12-13	Granted
Securely Sharing Design Renderings Over A	US	DIRTT Environmental Solutions Ltd.	13/510,912	9,245,064	2012-05-18	2016-01-26	Granted

Title	Jurisdiction	Applicant/Owner	Application Number	Patent Number	Filing Date (Y/M/D)	Grant Date (Y/M/D)	Status
Network							
Visual Distortion Effects Through Translucent Structures In Design Software	US	DIRTT Environmental Solutions Ltd.	14/111,669	9,245,381	2013-10-14	2016-01-26	Granted
Flush Mounted Flip Top Telecommunication And Electrical Station For Board Room Tables	US	DIRTT Environmental Solutions Ltd.	09/453,179	6,338,301	1999-12-02	2002-01-15	Granted
Telecommunication And Electrical Service Box For Mounting In A Floor	US	DIRTT Environmental Solutions Ltd.	10/103,994	6,669,041	2002-03-25	2003-12-30	Granted

Title	Jurisdiction	Applicant/Owner	Application Number	Patent Number	Filing Date (Y/M/D)	Grant Date (Y/M/D)	Status
Modular Electrical Connector Box	US	DIRTT Environmental Solutions, Ltd.	08/348,279	5,744,750	1994-11-30	1998-04-28	Granted
Wall Seal	US	DIRTT Environmental Solutions, Ltd.	16/324,136		2019-02-07		Pending
Foldable Modular Wall System	US	DIRTT Environmental Solutions, Ltd.	16/469,062		2019-06-12		Pending
System for Mounting Sliding Door within Modular Ceilings	US	DIRTT Environmental Solutions, Ltd.	16/477,788		2019-06-12		Pending
Enzo Wall Hanger Mounting System	US	DIRTT Environmental Solutions, Ltd.	16/348,256		2019-05-08		Pending
St/Stand Wall Unit with Roller	US	DIRTT Environmental	16/339,925		2019-04-05		Pending

Title	Jurisdiction	Applicant/Owner	Application Number	Patent Number	Filing Date (Y/M/D)	Grant Date (Y/M/D)	Status
Track		Solutions, Ltd.					
Low Voltage Switch Glass Adapter System and Methods	US	DIRTT Environmental Solutions, Ltd.	16/316,333		2019-01-08		Pending
Glass Substrates with Touchscreen Technology	US	DIRTT Environmental Solutions, Ltd.	15/741,489		2018-01-02		Pending
Wall System with Electronic Device Mounting Assembly	US	DIRTT Environmental Solutions, Ltd.	15/741,180		2017-12-29		Pending
Modular Furniture System with Wire Management	US	DIRTT Environmental Solutions, Ltd.	15/122,370	10,117,511	2016-08-29	2018-11-06	Granted

Title	Jurisdiction	Applicant/Owner	Application Number	Patent Number	Filing Date (Y/M/D)	Grant Date (Y/M/D)	Status
and Multiple Monitors							
Reconfigurable Wall Panels	US	DIRTT Environmental Solutions, Ltd.	15/038,694		2016-05-23		Pending
Virtual Reality Immersion with an Architectural Design Software Application	US	DIRTT Environmental Solutions, Ltd.	15/518,378		2017-04-11		Pending
Wall-Mounted Devices, Systems, and Methods for Selectively Positioning Objects	US	DIRTT Environmental Solutions, Ltd.	14/433,346		2015-04-02		Pending (Final Rejection Mailed)
Automatically Resolving Boundaries within an Architectural	US	DIRTT Environmental Solutions, Ltd.	14/891,007	10,289,758	2015-11-13	2019-05-12	Granted

Title	Jurisdiction	Applicant/Owner	Application Number	Patent Number	Filing Date (Y/M/D)	Grant Date (Y/M/D)	Status
Design Environment							
Integrated Reconfigurable Wall System	US	DIRTT Environmental Solutions, Ltd.	14/032,931		2013-09-20		Pending (Prosecution Suspended)
*** Identified as material ***							
Panel and Wall Module Connection Apparatus, Methods, and Systems	US	DIRTT Environmental Solutions, Ltd.	14/406,518	9,874,010	2014-12-08	2018-01-23	Granted
Pass Through Shelf Wall Assembly	US	DIRTT Environmental Solutions, Ltd.	14/888,080	9,717,348	2015-10-29	2017-08-01	Granted
Integrated Reconfigurable Wall System	US	DIRTT Environmental Solutions, Ltd.	15/074,383		2016-03-18		Pending
*** Identified as							

Title	Jurisdiction	Applicant/Owner	Application Number	Patent Number	Filing Date (Y/M/D)	Grant Date (Y/M/D)	Status
material ***							
Planar Electrical Connection Interface Port	US	DIRTT Environmental Solutions, Ltd.	29/430,154	D689,823	2012-08-22	2013-09-17	Granted
Wire Access Box	US	DIRTT Environmental Solutions, Ltd.	29/071,540	D401,558	1997-05-30	1998-11-24	Granted
Steel Angus Vertical Component	US	DIRTT Environmental Solutions, Ltd.	29/678,725		2019-01-30		Pending

SCHEDULE B

TRADEMARKS


The following registered trademarks are owned by DIRTT ENVIRONMENTAL SOLUTIONS LTD. as of July 19, 2019 and include all registered trademarks and trademark applications. This Schedule may be updated by the Lender at any time during the term of the IP Security Agreement:

Trademark	Jurisdiction	Applicant/ Owner	Application Number	Registration Number	Filing Date (Y/M/D)	Status
DIRTT BUILD BETTER	CA	DIRTT Environmental Solutions, Ltd	1728241	N/A	2015-05-14	Searched
ICEREALITY	CA	DIRTT Environmental Solutions, Ltd.	1846392	N/A	2017-07-07	Advertised
I-HEDRON	CA	DIRTT Environmental Solutions, Ltd.	1698362	N/A	2014-10-16	Searched
ICESHEET	CA	DIRTT Environmental Solutions, Ltd	1845859	N/A	2017-07-05	Searched
LEAF	CA	DIRTT Environmental Solutions, Ltd.	1846005	N/A	2017-07-05	Searched
LEAF WALL	CA	DIRTT Environmental Solutions, Ltd.	1895617	N/A	2018-04-24	Searched
LEAF FOLDING WALL	CA	DIRTT Environmental Solutions, Ltd.	1895619	N/A	2018-04-25	Searched
ENZO	CA	Dirtt Environmental Solutions, Ltd.	1684223	N/A	2014-06-27	Searched
ICEVR	CA	DIRTT Environmental Solutions, Ltd.	1756468	TMA1010582	2015-11-25	Registered
ICESCAPES	CA	DIRTT Environmental Solutions, Ltd.	1756469	TMA1010584	2015-11-25	Registered
CONNEXT	CA	DIRTT Environmental Solutions, Ltd.	1756467	TMA1010650	2015-11-25	Registered
REVIEW BOARD	CA	DIRTT Environmental Solutions, Ltd.	1864865	N/A	2017-10-26	Searched

Trademark	Jurisdiction	Applicant/ Owner	Application Number	Registration Number	Filing Date (Y/M/D)	Status
I-CUBE	CA	DIRTT Environmental Solutions, Ltd	1633937	TMA940866	2013-07-04	Registered
I-LINE	CA	DIRTT Environmental Solutions, Ltd	1633936	TMA938998	2013-07-04	Registered
ICECAD	CA	DIRTT Environmental Solutions, Ltd	1633938	TMA923052	2013-07-04	Registered
ICEBERG & DESIGN 	CA	DIRTT Environmental Solutions, Ltd	1633935	TMA912764	2013-07-04	Registered
DIRTT FOR LIFE	CA	DIRTT Environmental Solutions, Ltd.	1756470	TMA983790	2015-11-25	Registered
BREATHE	CA	DIRTT Environmental Solutions, Ltd.	1538891	TMA927922	2011-08-02	Registered
DIRTT *** Identified as material ***	CA	DIRTT Environmental Solutions Ltd.	1224421	TMA661570	2004-07-22	Registered
DIRTT	CA	DIRTT Environmental Solutions, Ltd	1583993	TMA897456	2012-06-28	Registered
doing it right this time *** Identified as material ***	CA	DIRTT Environmental Solutions Ltd.	1224423	TMA661571	2004-07-22	Registered
ICERENDER	CA	DIRTT Environmental Solutions Ltd. (assignment from Ice Edge Business Solutions Ltd. to DIRTT Environmental Solutions Ltd. filed, awaiting confirmation of receipt)	1633939	TMA923050	2013-07-04	Registered

Trademark	Jurisdiction	Applicant/ Owner	Application Number	Registration Number	Filing Date (Y/M/D)	Status
ICEVISION	CA	DIRTT Environmental Solutions Ltd. (assignment from Ice Edge Business Solutions Ltd. to DIRTT Environmental Solutions Ltd. filed, awaiting confirmation of receipt)	1633940	TMA923048	2013-07-04	Registered
ICE EDGE	CA	DIRTT Environmental Solutions Ltd. (assignment from Ice Edge Business Solutions Ltd. to DIRTT Environmental Solutions Ltd. filed, awaiting confirmation of receipt)	1633934	TMA923049	2013-07-04	Registered
ICE *** Identified as material ***	CA	DIRTT Environmental Solutions Ltd. (assignment from Ice Edge Business Solutions Ltd. to DIRTT Environmental Solutions Ltd. filed, awaiting confirmation of receipt)	1224425	TMA661572	2004-07-22	Registered
ICECYCLE	CA	DIRTT Environmental Solutions Ltd. (assignment from Ice Edge Business Solutions Ltd. to DIRTT Environmental Solutions Ltd. filed, awaiting confirmation of receipt)	1633941	TMA923056	2013-07-04	Registered
GLC	US	DIRTT Environmental Solutions, Ltd.	88442150	N/A	2019-05-22	Pending
GREEN LEARNING CENTER	US	DIRTT Environmental Solutions, Ltd.	88442068	N/A	2019-05-22	Pending
LEAF WALL	US	DIRTT Environmental Solutions, Ltd.	87667058	N/A	2017-10-31	Pending

Trademark	Jurisdiction	Applicant/ Owner	Application Number	Registration Number	Filing Date (Y/M/D)	Status
LEAF FOLDING WALL	US	DIRTT Environmental Solutions, Ltd.	87667056	N/A	2017-10-31	Pending
REVIEW BOARD	US	DIRTT Environmental Solutions, Ltd	87428795	N/A	2017-04-27	Pending
ICESHEET	US	DIRTT Environmental Solutions, Ltd	87299580	5538193	2017-01-12	Registered
ICEREALITY	US	DIRTT Environmental Solutions, Ltd	87428802	5499136	2017-04-27	Registered
LEAF	US	DIRTT Environmental Solutions, Ltd	87328863	N/A	2017-02-08	Pending
ICESCAPES	US	DIRTT Environmental Solutions, Ltd.	86667694	5209945	2015-06-19	Registered
ICEVR	US	DIRTT Environmental Solutions, Ltd.	86661907	5365393	2015-06-14	Registered
I-HEDRON	US	DIRTT Environmental Solutions, Ltd.	86387072	5464819	2014-09-05	Registered
DIRTT BUILD BETTER	US	DIRTT Environmental Solutions, Ltd.	86455068	5519847	2014-11-14	Registered
DIRTT BUILD BETTER	US	DIRTT Environmental Solutions, Ltd.	86982990	5454099	2014-11-14	Registered
ENZO	US	DIRTT Environmental Solutions, Ltd	86275501	5423626	2014-05-08	Registered
DIRTT FOR LIFE	US	DIRTT Environmental Solutions, Ltd.	86982495	5252041	2015-09-20	Registered
CONNEXT	US	DIRTT Environmental Solutions, Ltd	86661910	5233144	2015-06-14	Registered
I-CUBE	US	DIRTT Environmental Solutions, Ltd.	85900810	4561218	2013-04-10	Registered
I-LINE	US	DIRTT Environmental Solutions, Ltd.	85900311	4752377	2013-04-10	Registered

Trademark	Jurisdiction	Applicant/ Owner	Application Number	Registration Number	Filing Date (Y/M/D)	Status
ICECYCLE	US	DIRTT Environmental Solutions, Ltd.	85363989	4191817	2011-07-06	Registered
BREATHE	US	DIRTT Environmental Solutions, Ltd.	85976870	4192040	2011-02-02	Registered
DOING IT RIGHT THIS TIME *** Identified as material ***	US	DIRTT Environmental Solutions, Ltd.	85952243	4440313	2013-06-06	Registered
DIRTT	US	DIRTT Environmental Solutions, Ltd.	85519237	4444421	2012-01-18	Registered
ICECAD	US	DIRTT Environmental Solutions, Ltd.	78522539	3131038	2004-11-24	Registered
ICEBERG 	US	DIRTT Environmental Solutions Ltd.	78586280	3410386	2005-03-14	Registered
DIRTT *** Identified as material ***	US	DIRTT Environmental Solutions Ltd.	78673646	3176427	2005-07-19	Registered
ICE *** Identified as material ***	US	DIRTT Environmental Solutions, Ltd.	78440173	3088598	2005-09-06	Registered
ICERENDER	US	DIRTT Environmental Solutions, Ltd.	77603850	3717608	2008-10-30	Registered
ICEVISION	US	DIRTT Environmental Solutions, Ltd.	77603821	3650151	2008-10-30	Registered
ICE EDGE	US	DIRTT Environmental Solutions, Ltd.	77252166	3425921	2007-08-10	Registered
DIRTT REFLECT	US	DIRTT Environmental Solutions, Ltd.	88460357	N/A	2019-06-05	Pending

Trademark	Jurisdiction	Applicant/ Owner	Application Number	Registration Number	Filing Date (Y/M/D)	Status
REFLECT	US	DIRTT Environmental Solutions, Ltd.	88460345	N/A	2019-06-05	Pending
DIRTT INSPIRE	US	DIRTT Environmental Solutions, Ltd.	88458706	N/A	2019-06-05	Pending
INSPIRE	US	DIRTT Environmental Solutions, Ltd.	88458699	N/A	2019-06-05	Pending

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Title	Jurisdiction	Applicant/Owner	Registration Number	Registration Date (Y/M/D)	Category of Work	Description
Center Mount Glass Wall 2009 Tech Sheet.	US	DIRTT Environmental Solutions, Ltd.	VA0001957470	2015-02-19	Visual Material	Electronic file (eService)
Center Mount Glass Wall 2010 Tech Sheet.	US	DIRTT Environmental Solutions, Ltd.	VA0001954576	2015-02-19	Visual Material	Electronic file (eService)
Center Mount Glass Wall 2012 Tech Sheet.	US	DIRTT Environmental Solutions, Ltd.	VA0001954580	2015-02-19	Visual Material	Electronic file (eService)
Center Mount Glass Wall 2014 Tech Sheet.	US	DIRTT Environmental Solutions, Ltd.	VA0001954565	2015-02-19	Visual Material	Electronic file (eService)

SCHEDULE D

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Nil.